

I C Y



ICY2040PC  
**Power Converter - DIN rail**

**Installation Manual**

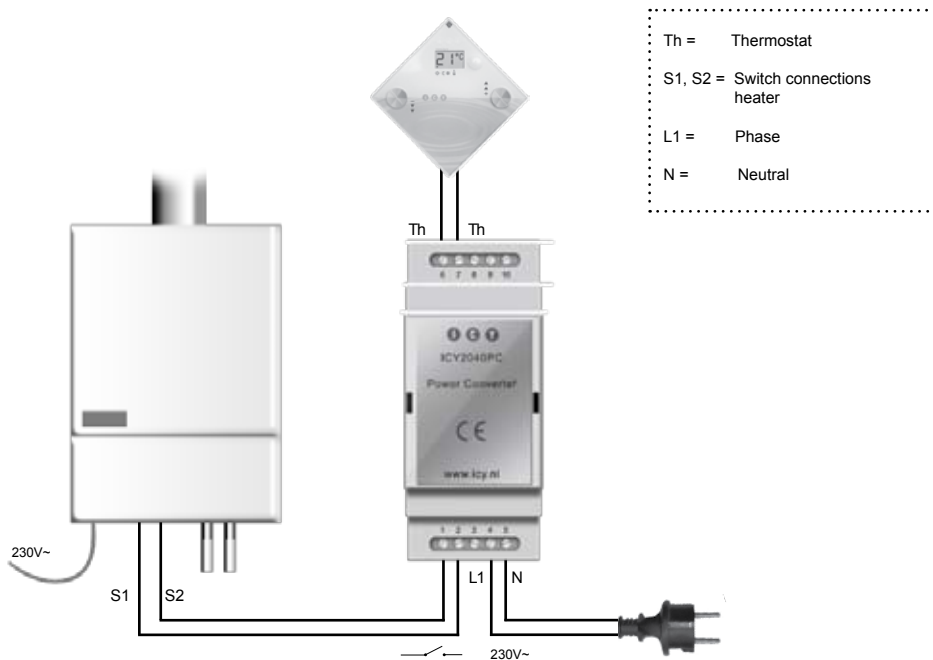
## Introduction

The ICY Power Converter is used in situations where the thermostat cannot directly be connected to the heater. This is the case with different switching voltages and in situations where the heater is not able to provide power to the thermostat. The Power Converter provides power to the thermostat. The heater is switched by a non-polarity switch. The casing is easy to install on a DIN rail.

## Installation

Connect the wires as shown in the chart below.

Attention! The connectors can have up to 230 volts. Incorrect connection can result in failure of the heater, the Power Converter and the thermostat.

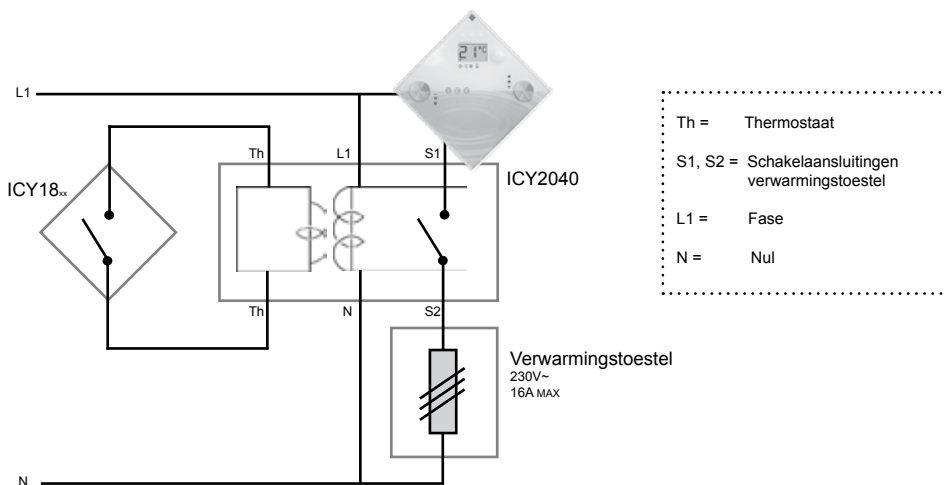


The Power Converter is connected to the normal connection that is already present between the heater and the room thermostat.

Connect the wires to the heater on the terminals where the room thermostat is normally connected (on/off). Connect these wires to terminals 1 and 2 on the Power Converter. Then connect the room thermostat to terminals 6 and 7 on the Power Converter (S1 and S2 on the chart below). The polarity is not important for these two connections.

Connect the power supply to terminals 4 and 5 on the Power Converter. Nul on terminal 5 and and phase (L1) on terminal 4. Voltage can only be between 220V-230V. The voltage at the switch connections may not exceed 230V.

Below is the schematic connection of an ICY18xx Timer-Thermostat on a heater with A 230V switching circuit using an ICY2040 Power Converter.



## Testing

Check if the system responds to turning on the thermostat. If this does not happen after 5 minutes:

1. Reset the thermostat (see installation instructions thermostat);
2. Check the connections on the thermostat and heater;
3. Check the fuse on the heater you wish to switch.

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